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Fig. 6

Comparison of amino acid sequences "stripped-down" version of chimera, known as "PigKS" (also called "Pig-Lys") vs. Pig uricase

"Pig KS" uricase:

Pig cDNA from 1 to 864 (NdeI site) and then Baboon 865 to 915 (end)

Pig uricase:

Pig cDNA from 1 to 915 (end)

[GCG GAP program]

Gap Weight: 12 Average Match: 2.912
 Length Weight: 4 Average Mismatch: -2.003

Quality: 1601 Length: 319
 Ratio: 5.249 Gaps: 0

Percent Similarity: 99.672 Percent Identity: 99.344

Match display thresholds for the alignment(s):

| = IDENTITY
 : = 2
 . = 1

pigKS.pep x Pig.pep June 25, 1998 17:11 ..

pigKS	1	MAHYRNDYKKNDEVEFVRTGYGKDMIKVLHIQRDGKYHSIKEVATSQLT	50
Pig	1	MAHYRNDYKKNDEVEFVRTGYGKDMIKVLHIQRDGKYHSIKEVATSQLT	50
51 LSSKKDYLHGDNSDVIPTDTIKNTVNVLAKFKGIKSIETFAVTICEHFLS 100			
51 LSSKKDYLHGDNSDVIPTDTIKNTVNVLAKFKGIKSIETFAVTICEHFLS 100			
101 SFKHVIRAQVYVEEVPKRFEKNGVKHVHAFIYTPTGTHFCEVEQIRNGP 150			
101 SFKHVIRAQVYVEEVPKRFEKNGVKHVHAFIYTPTGTHFCEVEQIRNGP 150			
151 PVIHSGIKDLKVLKTTQSGFEGFIKDQFTTLPEVKDRCFATQVYCKWRYH 200			
151 PVIHSGIKDLKVLKTTQSGFEGFIKDQFTTLPEVKDRCFATQVYCKWRYH 200			
201 QGRDVDFEATWDTVRSIVLQKFAGPYDKGEYSPSVQKTLYDIQVLTGQV 250			
201 QGRDVDFEATWDTVRSIVLQKFAGPYDKGEYSPSVQKTLYDIQVLTGQV 250			
251 PEIEDMEISLPNIHYLNIDMSKMGILINKEEVLLPLDNPYGKITGTVKRKL 300			
251 PEIEDMEISLPNIHYLNIDMSKMGILINKEEVLLPLDNPYGKITGTVKRKL 300			
301 SSRL* 305			
.			
301 TSRL*. 305			

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Fig. 8

Comparison of amino acid sequences of the "original" Pig-baboon chimeric uricase ("chimera") with that of Pig uricase

"Chimera" uricase:

Pig cDNA from 1 to 674 (Apa site) and then Baboon cDNA from 675 to 915 (end)

Pig uricase:

Pig cDNA from 1 to 915 (end)

[GCG GAP program]

Gap Weight: 12 Average Match: 2.912
 Length Weight: 4 Average Mismatch: -2.003

Quality: 1583 Length: 305
 Ratio: 5.190 Gaps: 0
 Percent Similarity: 98.361 Percent Identity: 98.033

Match display thresholds for the alignment(s):

| = IDENTITY
 : = 2
 . = 1

chimera.pep x Pig.pep June 25, 1998 16:54 ..

chim	1	MAHYRNDYKKNDEVEFVRTGYGKDMIKVLHIQRDGKYHSIKEVATSVQLT	50
Pig	1	MAHYRNDYKKNDEVEFVRTGYGKDMIKVLHIQRDGKYHSIKEVATSVQLT	50
	51	LSSKKDYLHGDNSDVIPTDTIKNTVNVLAKFKGIKSIETFAVTICEHFLS	100
	51	LSSKKDYLHGDNSDVIPTDTIKNTVNVLAKFKGIKSIETFAVTICEHFLS	100
	101	SFKHVIRAQVYVEEVPKRFEEKNGVKHVHAFIYTPTGTHFCEVEQIRNGP	150
	101	SFKHVIRAQVYVEEVPKRFEEKNGVKHVHAFIYTPTGTHFCEVEQIRNGP	150
	151	PVIHSGIKDLKVLKTTQSGFEGFIKDOFTTLPEVKDRCFATQVYCKWRYH	200
	151	PVIHSGIKDLKVLKTTQSGFEGFIKDOFTTLPEVKDRCFATQVYCKWRYH	200
	201	QGRDVDFEATWDTVRSIVLQKFAGPYDKGEYSPSVQKTLYDIQVLSLSRV	250
	201	QGRDVDFEATWDTVRSIVLQKFAGPYDKGEYSPSVQKTLYDIQVLTGQV	250
	251	PEIEDMEISLPNIHYFNIDMSKMLINKEEVLLPLDNPYGKITGTVKRKL	300
	251	PEIEDMEISLPNIHYLNIDMSKMLINKEEVLLPLDNPYGRITGTVKRKL	300
	301	SSRL* 305	
	301	TSRL* 305	